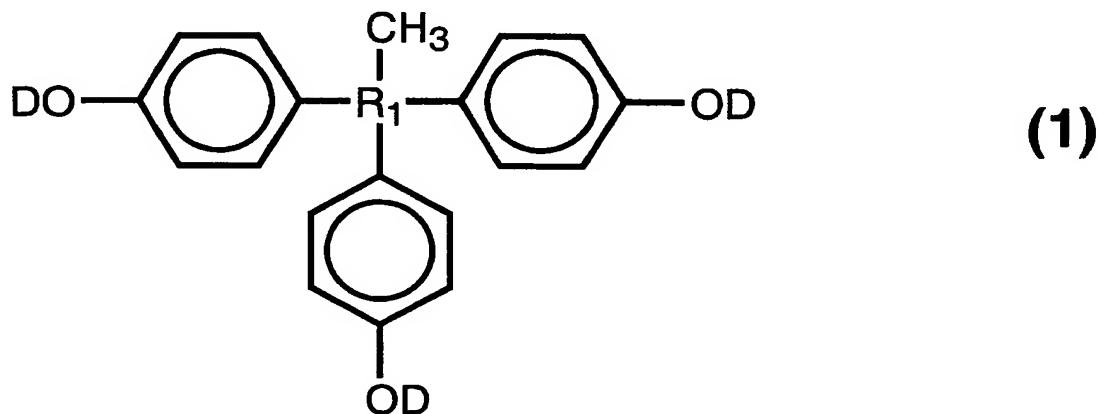
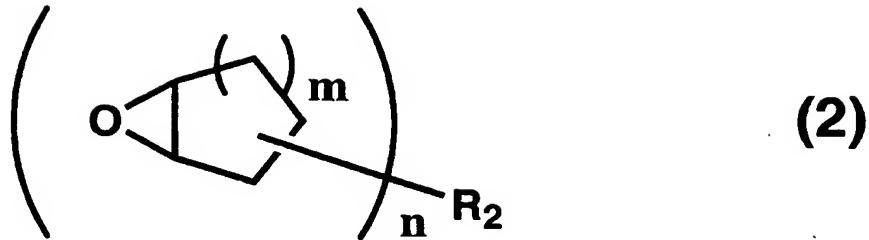


CLAIMS

1. A positive photosensitive resin composition characterized by comprising an alkali-soluble resin which is a copolymer essentially comprising an unsaturated carboxylic acid derivative and an N-substituted maleimide and which has a number average molecular weight of from 5 2,000 to 20,000, a 1,2-quinone diazide compound represented by the formula (1):

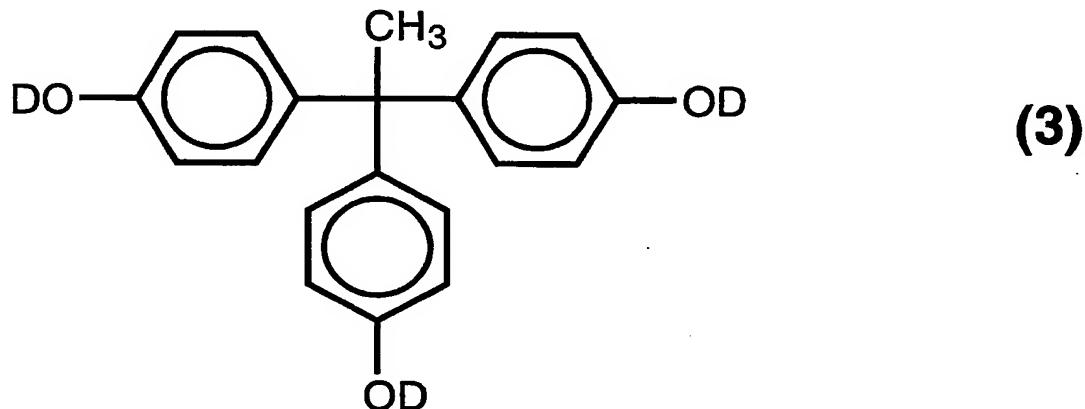


10 (wherein each D independently is a hydrogen atom or an organic group having a 1,2-quinone diazide group, R₁ is a tetravalent organic group, provided that at least one of D is an organic group having a 1,2-quinone diazide group), and from 5 to 50 parts by weight, per 100 parts by weight 15 of the alkali-soluble resin, of a crosslinking compound represented by the formula (2):



(wherein n is an integer of from 2 to 10, m is an integer of from 0 to 4, and R₂ is an n-valent organic group).

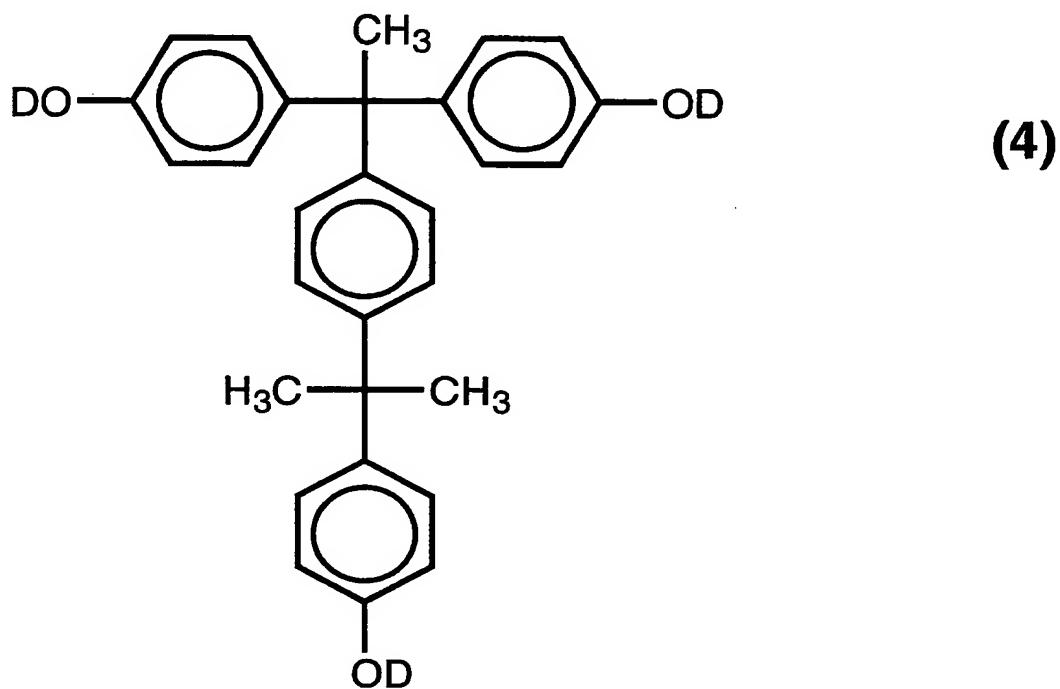
2. The positive photosensitive resin composition
- 5 according to Claim 1, wherein the residual monomer ratio in the alkali-soluble resin is at most 2.5 wt%.
3. The positive photosensitive resin composition according to Claim 1 or 2, wherein the 1,2-quinone diazide compound is contained in an amount of from 5 to
- 10 100 parts by weight, per 100 parts by weight of the alkali-soluble resin.
4. The positive photosensitive resin composition according to Claim 1, 2 or 3, wherein the 1,2-quinone diazide compound is a compound represented by the
- 15 following formula (3):



(wherein each D independently is a hydrogen atom or an

organic group having a 1,2-quinone diazide group,
 provided that at least one of D is an organic group
 having a 1,2-quinone diazide group).

5. The positive photosensitive resin composition
 according to Claim 1, 2 or 3, wherein the 1,2-quinone
 diazide compound is a compound represented by the
 following formula (4):



(wherein each D independently is a hydrogen atom or an
 10 organic group having a 1,2-quinone diazide group,
 provided that at least one of D is an organic group
 having a 1,2-quinone diazide group).

6. The positive photosensitive resin composition
 according to any one of Claims 1 to 5, wherein the
 15 alkali-soluble resin has no epoxy group.

7. The positive photosensitive resin composition

according to any one of claims 1 to 6, wherein n is an integer of from 3 to 10, and m is an integer of 2 in the crosslinking compound represented by the formula (2).

8. The positive photosensitive resin composition

5 according to any one of Claims 1 to 7, which contains a surfactant in an amount of from 0.01 to 5 parts by weight per 100 parts by weight of the alkali-soluble resin.

9. The positive photosensitive resin composition

according to any one of Claims 1 to 8, wherein the

10 positive photosensitive resin composition is a solution having a solid content concentration of from 1 to 50 wt%.